

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

CHANG HEE HYOUNG, ET AL.

Application No.:

Filed:

For: **Switched Coupler Type Digital Phase
Shifter Using Quadrature Generator**

Art Group:

Examiner:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted concurrently with the Utility Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).


The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: 11/12/03


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Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.
Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Information Disclosure Statement

New U.S. Patent Application for
SWITCHED COUPLER TYPE DIGITAL PHASE SHIFTER
USING QUADRATURE GENERATOR
Our Ref. No.: P02EC041/US/jk

Reference No.:

- (1) US Patent No. 5,334,959
- (2) US Patent No. 5,379,007
- (3) KR Laid-Open No. 2002-28258
- (4) Microwave ICI control components for phased-array antennas
(Electronics & Communications Engineering Journal, June 1992, Pages 123-130)
- (5) An Ultra-Broad-Band Reflection-Type Phase-Shifter MMIC
With Series and Parallel LC Circuits
(IEEE Transactions on Microwave Theory and Techniques, Vol. 49, No. 12, December 2001, Pages 2446-2452)
- (6) A single Chip X-Band Phase Shifter with 6 Bit Uncorrected
Phase Resolution and More Than 8 Bit Corrected Phase Resolution
(1992 IEEE MTT-S Digest, Pages 171-174)
- (7) 4:1 Bandwidth Digital Five Bit MMIC Phase Shifters
(IEEE 1989 Microwave and Millimeter-wave Monolithic Circuits Symposium, Pages 69-73)